

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/016168

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> B60C17/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl<sup>7</sup> B60C17/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2005  
Kokai Jitsuyo Shinan Koho 1971-2005 Jitsuyo Shinan Toroku Koho 1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|-----------|---|-----------------------|
| Y         | JP 10-297226 A (CONTINENTAL AG.),<br>10 November, 1998 (10.11.98),<br>Par. Nos. [0030] to [0032]; Fig. 3<br>& EP 860304 A2 & US 6672349 B1                                    | 1-6                   |
| Y         | JP 11-60820 A (Japan Energy Corp.),<br>05 March, 1999 (05.03.99),<br>Par. Nos. [0002], [0006], [0016]<br>(Family: none)   | 1-6                   |
| Y         | JP 2001-519279 A (CONTINENTAL AG.),<br>23 October, 2001 (23.10.01),<br>Claims; Par. No. [0053]; Fig. 3<br>& WO 99/19158 A2 & EP 1023192 A1<br>& US 6463976 B1 & DE 19745409 A | 6                     |

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search  
19 January, 2005 (19.01.05)

Date of mailing of the international search report  
15 February, 2005 (15.02.05)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP2004/016168

**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| P, X      | JP 2004-51009 A (The Yokohama Rubber Co., Ltd.),<br>19 February, 2004 (19.02.04),<br>Claims; Par. No. [0021]; drawings<br>(Family: none) | 1-5                   |
| E, X      | JP 2004-352077 A (Bridgestone Corp.),<br>19 December, 2004 (19.12.04),<br>Claims; Par. No. [0026]; drawings<br>(Family: none)            | 1-6                   |

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP2004/016168

**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

A run flat tire-wheel assembly having a run flat support formed with a ring-shaped metal shell and a rubber-like elastic material in an inner hollow portion of a tire/rim is known to the public, as is described in JP 2001-519279 and JP 10-297226, and therefore, there is no common matter which is considered to be a special technical feature in the meaning of PCT Rule 13.2, the second sentence, between "a tire-wheel assembly comprising a rubber-like elastic material containing 100 parts by wt of a diene-based rubber and 0.1 to 5 parts by wt of acetylacetonatocobalt" and "a tire-wheel assembly comprising a rubber-like elastic material containing 100 parts by wt of a diene-based rubber  
(continued to extra sheet)

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP2004/016168

Continuation of Box No.III of continuation of first sheet(2)

and 40 to 90 parts by wt of a reinforcing filler having carbon black/silica in a proportion of 10/1 to 1/2 (weight ratio) and a silane coupling agent in an amount of 1 to 20 wt % relative to the weight of the above silica" described in claim 1.

Accordingly, the technical relationship in the meaning of PCT Rule 13 cannot be found between these different inventions.